



# **City of Wilmington**

## **Ad Hoc Clean Energy Policy Task Force**

### **Kickoff Meeting**

### **Meeting Summary**

### **Zoom Virtual Meeting & Thalian Hall, Wilmington, NC**

*6 PM, June 9, 2020*

The City of Wilmington held the second meeting for the Wilmington Ad Hoc Clean Energy Policy Task Force (Task Force) on June 9, 2020. All Task Force meetings will be conducted in accordance with North Carolina public meeting statutes. The meeting was held virtually over Zoom and at Thalian Hall, Wilmington, NC, to accommodate continued participation from the public. The meeting objectives were to provide background information, assign and allow subcommittees to meet, and orient participants on general expectations for subcommittee recommendations. The additional topics discussed during the meeting included:

- Review of public meeting requirements
- Subcommittee assignment
- Guidelines for recommendations and scope
- Presentation: Wilmington Clean Energy Actions
- Subcommittee initial meeting and discussion

Each subcommittee selected co-chairs, meeting times, and reported out discussion from presentation and clarification to task or concerns. The meeting concluded with logistical announcements for the upcoming public survey and next meeting.

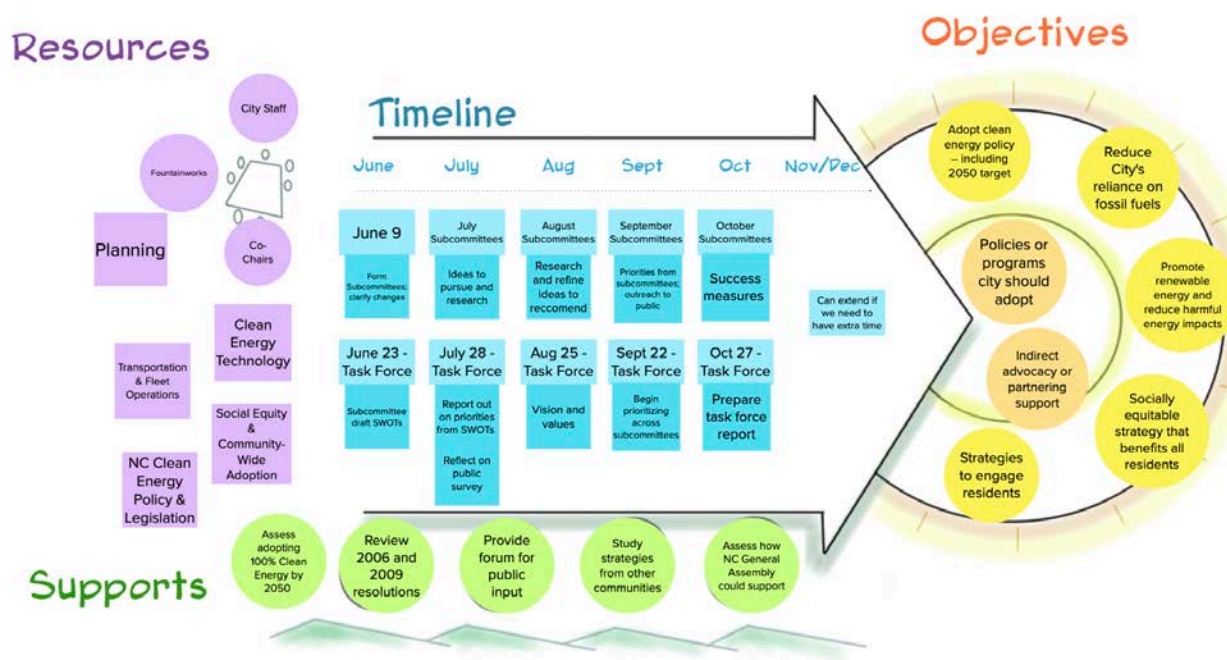
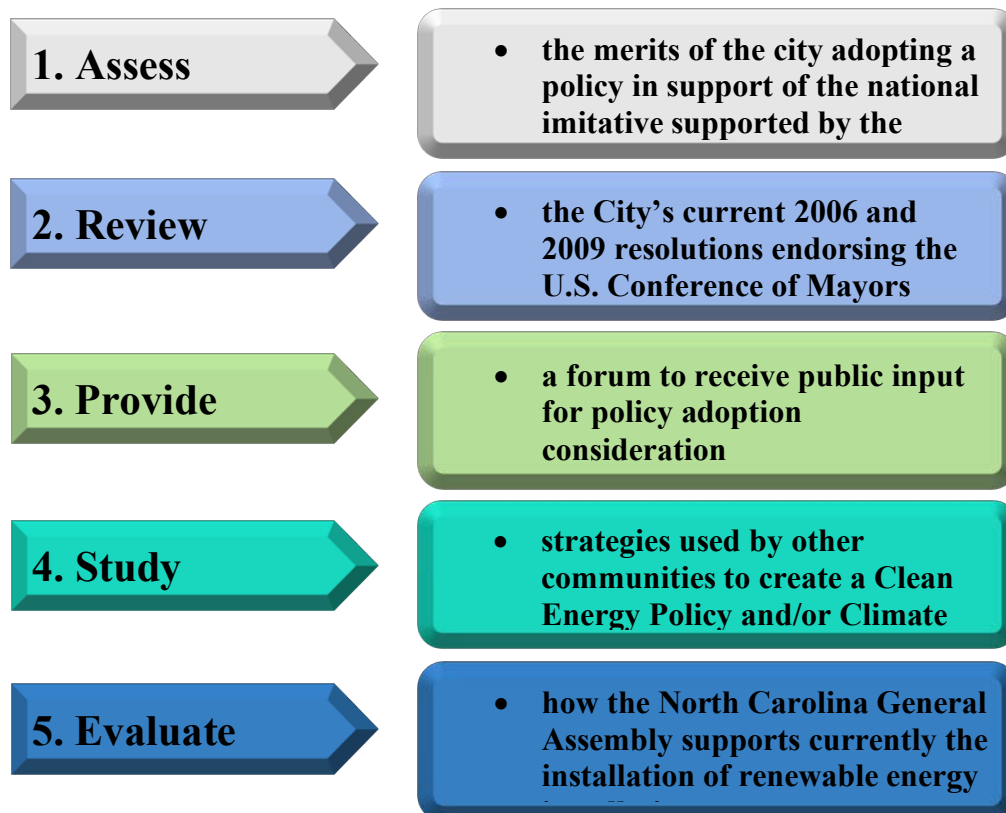
### **Purpose & Charter**

The Task Force shall advise the Mayor and Council, conduct research, study best practices within North Carolina cities, counties, and nationally and make recommendations on matters related: to adopt a clean energy policy, including a target for 2050;

- *to reduce the city's reliance and use of fossil fuels in fleet and building operations;*
- *to promote renewable energy and reduce harmful energy-related environmental impacts;*
- *to create a socially equitable strategy that benefits all residents, especially low income; and*
- *to provide strategies on how to engage Wilmington residents in support of a clean energy policy.*



## How the Task Force carries out its charter





## Presentation: Sustainability & Energy Reduction Actions

David Ingram, Sustainability Program Manager, presented the City of Wilmington's clean energy reduction actions to subcommittee members. David provided historical context and steps the City of Wilmington have taken towards reaching the Clean Energy Goals for 2050. The City will continue to focus on feasible high-yield projects that build towards meeting energy goals. Several steps have been taken to reduce electricity usage through solar projects with room for growth as current data reports electrical usage only offsets the total city's usage by 1%. The Transportation subcommittee will have the opportunity to recommend policy that impacts the total emissions of the vehicle fleet. Additionally, several examples of green building designs were identified to include the Cinema Drive Fire Station. The fire station highlights a green building to model for future buildings and facilities to mirror as a successful LEED certified building and energy efficient facility.

***Leadership in Energy and Environmental Design (LEED)*** - is a certification program focused primarily on new, commercial-building projects and based upon a points system. The more points you earn, the higher your rating.

The slide and photo below of the Cinema Drive Fire Station exhibits a successful LEED certified building.

## Successes – Buildings & Facilities

- LEED certified buildings
  - Cinema Drive Fire Station
  - Lowest Energy Use Intensity (EUI) of all fire stations

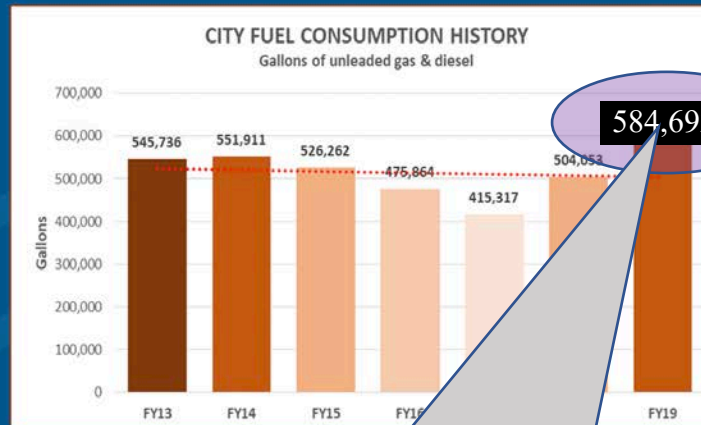




# Fleet Vehicles & Fuel Usage

Comprised of:

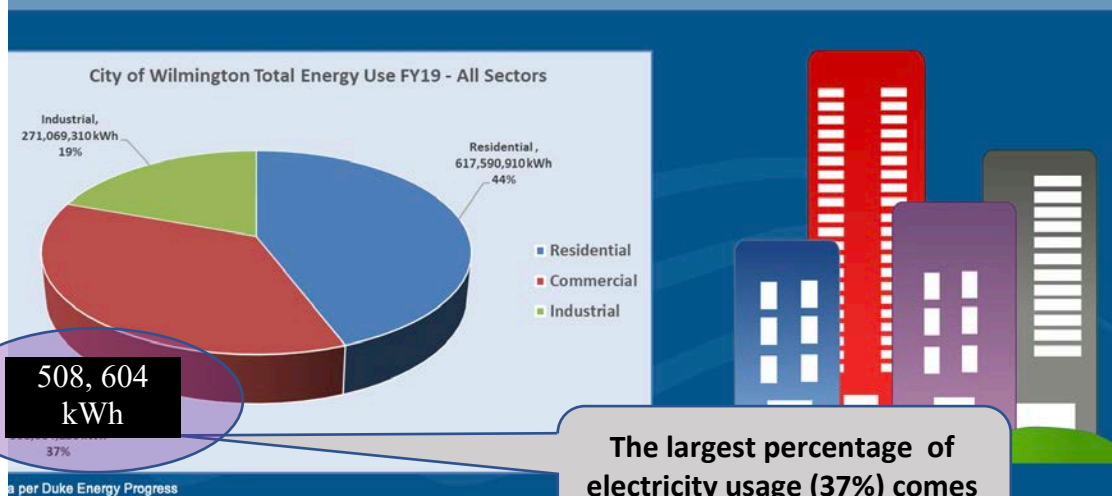
- Police Patrol Vehicles – 202
- Passenger Vehicles (gas) - 127
- Light Trucks (gas) – 131
- Light Trucks (diesel) – 14
- Heavy Trucks (diesel) – 80
- Heavy Trucks (gas) – 3
- Motorcycles (gas) - 3
- Plus ORV equipment
  - Mowers, landscape equip



Fiscal Year 2019 saw a spike in fuel usage was influenced by Hurricane Florence. Statistics for 2020 will be impacted by COVID-19 but results have not been gathered to date.

**Green Source Advantage Program** - The GSA program allows large customers to select and negotiate directly with a renewable energy company of their choice, thereby allowing the large customer to keep all renewable energy certificates (RECs) generated by that renewable facility.

# Electricity Usage – All Sectors



The largest percentage of electricity usage (37%) comes from commercial.





## Clean Energy Opportunities

### **Fleet Fuel Usage Reduction**

- *Electrification of fleet vehicles*
- *Charging Infrastructure*
- *Hybrid vehicles*
- *Conduct fleet audit*
- *Electric Equipment*
- *energy policy.*

### **Buildings and Facilities**

- *Green building policy for all new construction*
- *More renewable energy to offset electricity usage*
- *Duke Energy Green Source Advantage Program*
- *Continue energy efficiency retrofits of existing buildings harmful energy-*

## Presentation Questions

1. *Where can the City place more photovoltaics? Has the City conducted an area study to determine potential locations through Geographic Information System (GIS)?*
  - GIS mapping currently has not been conducted but would benefit subcommittees to determine potential locations to improve infrastructure and facility energy improvement
  - Benefits of calculating acreage, spatial depiction, and determination of system requirements

**Photovoltaic** - technology converts the sun's energy into direct current electricity by using semiconductors

2. *Does Duke Energy provide interval data for energy usage?*
  - Not yet but smart meters are being put into usage but not complete

## Presentation Discussion

- Provide a glossary for clarification and shared understanding of subject specific terms and definitions
- Potential issues concerning identification of land conflicting with affordable housing initiatives



The map below identifies clean energy projects the City of Wilmington has successfully executed.





## Subcommittees

Clean Energy Technology	
<b>Charge</b> <i>Focus on renewable energy (solar, wind, tidal, etc.) technology and opportunities that are viable in the Southeast North Carolina region</i>	
Members	
Bill	Gage
Diana	Hill
Garrett	Grove
Girard	Newkirk (co-chair)
Molly	Davis
PJ	Klein
Robert	O'Quin
Ruth	Smith (co-chair)
Sean	Sullivan
Richard	Smith
Transportation & Fleet Operations	
<b>Charge</b> <i>Focus on clean energy fuel and fueling infrastructure technology and opportunities City fleet operations; and City clean energy fueling/charging infrastructure needs</i>	
Members	
Andy	McGlinn
Brittany	Bowen
Carson	Wood
Danielle	Laborde
Katherine	Pohlman (co-chair)
Luke	Foreman
Paul	Reinmann (co-chair)
Social Equity & Community-Wide Adoption	
<b>Charge</b> <i>Focus on community wide engagement &amp; education regarding clean energy and its impact for all of Wilmington, as well as partnerships/grant opportunities</i>	
Members	
Amy	McLane (co-chair)
Andrea A.	Bennett (co-chair)
Ashley	Daniels
Kimberly	Spader
Owen	Wexler
Rev. Reginald	Robinson
Scott	Whisnant
NC Clean Energy Policy & Legislation	
<b>Charge</b>	



*Focus on policy and legislation at the State or utility level which will impact Wilmington's clean energy planning / goals (e.g. State Executive Order #80, Duke Energy net-zero emissions goal)*

#### Members

Beth	Hansen
James	Ablard
Keni	Rienks (co-chair)
Lindsay P.	Lake
Lindsey	Hallock
Matthew	Williams (co-chair)
Richard	Groves
Steve	Frank

#### Next Steps & Other Announcements

The plan will be to conduct 6 monthly meetings coordinated through the City of Wilmington with notification of time and location posted 72 hours prior to the start of the meeting. Subcommittee meetings also need to be advertised.

**June 23** 6-7:30 pm: Full Task Force Meeting

Subcommittees meet

**July 28** 6-7:30 pm: Full Task Force Meeting

Subcommittees meet

**August 25** 6-7:30 pm: Full Task Force Meeting

Subcommittees meet

**September 22** 6-7:30 pm: Full Task Force Meeting

Subcommittees meet

**October 27** 6-7:30 pm: Full Task Force Meeting

*May be extended 3 months due to COVID-19*

**Task Force Initiative Dropbox Folder** where we will be sharing documents and other updates throughout the process: [Dropbox](#)

- Consolidated Agendas and PowerPoints
- Consolidated Summary Reports

**Preparation for next meeting:** If participants have suggested ideas or background information in preparation for our next meeting, feel to contact:

- David Ingram, Wilmington Sustainability Manager (also a voting member of Task Force) [david.ingram@wilmingtonnc.gov](mailto:david.ingram@wilmingtonnc.gov) or 910-341-1602
- Fountainworks , meeting facilitators (Warren Miller, Julie Brenman, or Dan Alvarez) [warren@fountainworks.com](mailto:warren@fountainworks.com), [julie@fountainworks.com](mailto:julie@fountainworks.com), or [daniel@fountainworks.com](mailto:daniel@fountainworks.com)